IN THE SPECIFICATION:

Please amend paragraph 0051 of the specification as shown below to clarify the invention and to conform to the drawing changes noted above:

A heating system 122 ~~(not shown)~~ ,shown in Figs. 1, 4, 6, 9 and 11, may optionally be included with the combustion engine 10 and may be placed in thermal contact with the mixed conductor 16. The heating system 122 may be configured to heat the mixed conductor 16 in order to increase the conducting efficiency of the mixed conductor 16. In addition, the heating system 122 may include an electrical heating element 124, ~~(not shown)~~shown in Figs. 1, 4, 6, 9 and 11, disposed within the combustion chamber 14. The electrical heating element 124 may be configured to ignite the residual oxygen-enriched fraction of air that may be formed in the exhaust fluid. The oxygen-enriched fraction of air may be formed as a result of incomplete combustion of the oxygen-pure fraction of air with the hydrocarbon fuel and the pressurized water.

Please amend paragraph 0053 of the specification as shown below to clarify the invention and to conform to the drawing changes noted above:

As can be seen in the schematic diagram of Figs. 1, 4, 6, 9 and 11, the water intake port 62 is fluidly connected to the combustion chamber 14 and may be disposed adjacent to the combustion chamber 14. The water intake port 62 is configured to provide pressurized water to the combustion chamber 14 for subsequent combustion with the hydrocarbon fuel and the oxygen-pure fraction of the air. The water intake port 62 may be fluidly connected to a water source 64 such as a water source tank (not shown). Also shown in Figs. 1, 4, 6, 9 and 11 is a hydrocarbon fuel source 126 being included with the combustion engine 10 in order to provide the hydrocarbon fuel to the

combustion chamber 14. As was earlier mentioned, the combustion chamber 14 utilizes the mixed conductor 16 to provide a substantially oxygen-pure fraction of air to the combustion chamber 14 for combustion with the hydrocarbon fuel and water resulting in the production of the exhaust fluid.

Please amend paragraph 0072 of the specification as shown below to clarify the invention and to conform to the drawing changes noted above:

Referring to Fig. 12, step 100 of the method includes providing the mixed conductor 16 to the combustion engine 10, as shown in Fig. 1. The mixed conductor 16 has the retentate side 20 and the permeate side 22. As was mentioned earlier, the permeate side 22 is exposed to the combustion chamber 14 while the retentate side 20 is fluidly connected to the air intake port 48. The mixed conductor 16 is configured to conduct oxygen ions in the air from the retentate side 20 to the permeate side 22 when the partial pressure of oxygen on the permeate side 22 is lower than the partial pressure of oxygen on the retentate side 20. As was mentioned above, the heating system 122 ~~(not shown)~~ may optionally be included and may be placed in thermal contact with the mixed conductor 16 to heat the mixed conductor 16 to increase the conducting efficiency of the mixed conductor 16. In addition, the heating system 122 may include the electrical heating element 124, ~~(not shown)~~ disposed within the combustion chamber 14 to ignite the residual oxygen-enriched fraction of air that may be formed in the exhaust fluid as a result of incomplete combustion of the hydrocarbon fuel.